

50X1-HUM

CLASSIFICATION CONFIDENTIAL  
 CENTRAL INTELLIGENCE AGENCY  
 INFORMATION FROM  
 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

COUNTRY USSR

DATE OF  
INFORMATION 1953

SUBJECT Scientific - Chemistry, dissertations

HOW  
PUBLISHED Bimonthly periodical

DATE DIST. 26 Apr 1954

WHERE  
PUBLISHED Moscow

NO. OF PAGES 4

DATE  
PUBLISHED Oct 1953

LANGUAGE Russian

SUPPLEMENT TO  
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE  
 OF THE UNITED STATES. WITHIN THE MEANING OF TITLE 18, SECTIONS 793  
 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVEL-  
 ATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS  
 PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED

THIS IS UNEVALUATED INFORMATION

SOURCE Referativnyy Zhurnal Khimiya, No 1USSR DISSERTATIONS IN FIELD OF CHEMISTRY, 1953

[Note: Numbers in parentheses are reference numbers as given in the source.]

N. D. Sokolov -- Intermolecular Reactions and Processes of Proton Transi-  
 tion. For Doctor of Physicomathematical Sciences, Leningrad State University,  
 Leningrad, 1953.(88)

E. A. Gilinskaya -- Crystal-Chemical Investigation of Complex Compounds  
 Containing the Nitro Group. For Candidate of Chemical Sciences, Institute of  
 General and Inorganic Chemistry Academy of Sciences USSR, Moscow, 1953.(122)

A. I. Pashilov -- Structural Changes in the Crystal Lattice During Decom-  
 position of Some Supersaturated Solid Solutions (X-Ray Investigation). For  
 Candidate of Physicomathematical Sciences, Ural Polytechnic Institute, Sverdlovsk,  
 1953.(123)

Ts. V. Pevzner -- Kinetics of the Catalytic Decomposition of Ammonia. For  
 Candidate of Chemical Sciences, Institute of Physical Chemistry, Kiev, 1953.(176)

P. D. Lukovtsev -- Electrochemical Behavior of Oxide Electrodes of Some  
 Chemical Sources of Current. For Doctor of Chemical Sciences, Institute of  
 Physical Chemistry, Academy of Sciences, USSR, Moscow, 1953.(195)

Ye. F. Zavgorodnyaya -- The Role of Liberated Hydrogen in Processes of  
 Cathodic Deposition of Metal Powders. For Candidate of Chemical Sciences,  
 Dnepropetrovsk State University, Dnepropetrovsk, 1953.(196)

Yu. M. Polukarov -- Electrochemical and Structural Investigation of the  
 Mechanism of Electrolytic Deposition of Alloys. For Candidate of Chemical  
 Sciences, Institute of Physical Chemistry, Academy of Sciences USSR, Moscow,  
 1953.(197)

50X1-HUM

STATE	NAVY	NSRB	DISTRIBUTION									
ARMY	AIR	FBI										

50X1-HUM

CONFIDENTIAL

P. N. Sokolov -- Investigation of the Kinetics of Solution of Monocrystals of Zinc in Hydrochloric Acid and Some Other Acids From the Standpoint of Electrochemical Theory. For Candidate of Chemical Sciences, Leningrad State University, Leningrad, 1953.(198)

O. P. Skorokhod -- Mutual Displacement of Acids and Selective Adsorption. For Candidate of Chemical Sciences, Belorussian State University, Minsk, 1953.(228)

I. V. Vol'f -- Preparation of Ion-Exchange Adsorbents From Humic Substances and Investigation of Their Exchange Capacities. For Candidate of Chemical Sciences, Leningrad State University, Leningrad, 1953.(229)

S. Ya. Frenkel' -- Investigation of the Molecular Weight Distribution in Rubberlike Polymers. For Candidate of Physical-Mathematical Sciences, Institute of High Molecular Compounds, Academy of Sciences, USSR, Leningrad, 1953.(246)

N. S. Vul'fson -- Investigation of Beta-Hydroxy Derivatives of Malonic Acid. For Doctor of Chemical Sciences, Kazan' State University, 1953.(388)

T. A. Mishnina -- Investigation of the Properties of Some Acetylenic Alcohols and Glycols. For Candidate of Chemical Sciences, Leningrad State University, Leningrad, 1953.(389)

V. S. Kudinova -- Reactions of Benzoyl Peroxide in Various Media. For Candidate of Chemical Sciences, Institute of Chemical Sciences, Academy of Sciences, Kazan' SSR, Alma-Ata, 1953.(390)

N. S. Tikhomirova-Sidorova -- Reduction and Oxidation-Reduction Transformations of Compounds Containing Carbonyl and Hydroxyl Groups. For Candidate of Chemical Sciences, Institute of High Molecular Compounds, Academy of Sciences USSR, Leningrad, 1953.(391)

L. A. Remizova -- The Synthesis of Diphenylcystein. For Candidate of Chemical Sciences, Leningrad State University, Leningrad, 1953.(392)

N. B. Vinogradova -- Investigation of the Reactions of Diazoacetic Ester With Some Halogen Derivatives of Hydrocarbons of the Paraffin and Paraffin-Aromatic Series. For Candidate of Chemical Sciences, Leningrad State University, Leningrad, 1953.(393)

N. P. Gambaryan -- Synthesis of Lepidine and Its Analogs With Substituents in the Aromatic Ring. For Candidate of Chemical Sciences, Chemical Institute, Armenian SSR, Yerevan, 1953.(394)

L. A. Mikhamedova -- Investigations in the Field of Camphenylanic and Campholenic Aldehydes. For Candidate of Chemical Sciences, Kazan' State University, Kazan', 1953.(436)

T. Ts. Gotua -- Carotin and Ascorbic Acid Metabolism Under Clinical Conditions of Dystrophy in Young Children. For Candidate Medical Sciences, Tbilisi State Medical Institute, Tbilisi, 1953.(624)

Ye. N. Ponomareva -- Chronometric Titration. For Candidate of Chemical Sciences, Saratov State University, Saratov, 1953.(652)

M. P. Pavlovskaya -- Research in the Field of Mercurimetry. For Candidate of Chemical Sciences, Saratov State University, Saratov 1953.(675)

G. F. Yakimovich -- Qualitative Analysis of Silicon-Organocompounds by the Method of Infrared Spectroscopy. For Candidate of Chemical Sciences, Moscow Chemotechnological Institute, Moscow, 1953.(691)

- 2 -

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

A. V. Akhutina -- Isolation, Detection, and Determination of Conine in Forensic Chemical Investigations. For Candidate Pharmaceutical Sciences, Moscow Pharmaceutical Institute, Moscow, 1953.(692)

A. S. Solov'yeva -- Investigation of the Statics [Stationary Conditions?] of the Process of Saturating Ammonia-Brine Solution With Carbon Dioxide in Industrial Production of Calcined Soda. For Candidate Technical Sciences, Moscow Chemicotechnological Institute, Moscow, 1953.(731)

N. I. Borisova -- Use of the Radioactive Isotope of Phosphorus  $p^{32}$  in Agrochemical Investigations. For Candidate Agricultural Sciences, Soil Institute, Academy of Sciences, USSR, Moscow, 1953.(759)

A. D. Akperov -- Effect of Granulated Fertilizers on the Yield of Wheat. For Candidate Agricultural Sciences, Voronezh Agricultural Institute, Voronezh, 1953.(760)

T. V. Rubetskaya -- Conditions for the Formation of Calcium Sulfocarbonate and the Effect of Chloride Salts on its Existence. For Candidate Technical Sciences, Moscow Chemicotechnological Institute, Moscow, 1953.(764)

A. A. Appen -- Some General Rules of Changes of the Properties of Silicate Glasses in Dependence on Their Composition. For Doctor Technical Sciences, Institute of Chemistry of Silicates, Academy of Sciences, USSR, Leningrad, 1953.(805)

Yu. M. Lakhtin -- Scientific Bases of the Technology of the Process of Nitriding. For Doctor Technical Sciences, Moscow Advanced Technical School, Moscow, 1953.(870)

G. A. Pisarenko -- Investigation of the Properties of Cast Irons and the Technology of Fabricating High-Strength Plate-Rolling Rolls. For Doctor Technical Sciences, Ural Polytechnical Institute, Sverdlovsk, 1953.(871)

Ye. I. Yegorov -- Effect of Hydrogen on the Structure and Properties of Cast Iron. For Candidate Technical Sciences, Leningrad Polytechnical Institute, Leningrad, 1953.(872)

A. M. Shternberg -- Method of Accelerated Annealing of White and Chilled Cast Irons in a Liquid Medium. For Candidate Technical Sciences, Central Scientific Institute for Heavy Machine Construction, Moscow, 1953.(873)

A. P. Shishkova -- Investigation of the Effects of Ageing and Cold Working on the Cyclic Strength of Austenitic Steels in Dependence on Their Structural Stability. For Candidate Technical Sciences, Central Scientific Institute of Technology and Machine Construction, Moscow, 1953.(874)

M. N. Vodyuko -- Effect of High-Frequency Induction Hardening on the Structure and Mechanical Properties of Carburizing Steels 18 KhGT and 20 OKhN. For Candidate Technical Sciences, Belorussian Polytechnical Institute, Minsk, 1953.(875)

A. Ts. Akshentseva -- Investigation of the Kinetics of the Transformation of Austenite Into Martensite. For Candidate Technical Sciences, Central Scientific Institute for Heavy Machine Construction, Moscow, 1953.(876)

V. D. Kandalova -- Investigation of Equilibria in "Liquid-Liquid" Systems to Be Used in Solvent-Refining of Oils. For Candidate Technical Sciences, Azerbaydzhan Industrial Institute, Baku, 1953.(933)

- 3 -

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

A. S. Prozorovskiy -- Investigation of the Extraction Process in the Percolation of Scopolia Rhizome. For Candidate Pharmaceutical Sciences, Moscow Pharmaceutical Institute, Moscow, 1953.(1025)

T. A. Yermolayeva -- Preparation of Titanium-Containing Polyester Resins and Paint and Varnish Coatings Based on Them. For Candidate Technical Sciences, Moscow Chemicotechnological Institute, Moscow, 1953.(1113)

Z. I. Bolyuzhina -- Stability of Oil Coatings in Relation to the Amount of Trimeric Polymer and Chemically Active Groups Contained in Them. For Candidate Technical Sciences, Leningrad Technological Institute, Leningrad, 1953. (1114)

R. Kh. Bagrova -- Investigation of the Yields of Products of Pyrolysis of Birch, Pine, and Spruce Wood Pulp as Affected by Different Various End Temperatures of the Pyrolysis. For Candidate Technical Sciences, Ural Forestry Engineering, Institute Sverdlovsk, 1953.(1140)

V. I. Yelinek -- Structure and Relaxation Properties of Highly Orientated Hydrocellulose Fibers. For Candidate Chemical Sciences, Physicochemical Institute, Moscow, 1953.(1155)

L. M. Vinogradova -- Comparative Investigation of the Kinetics of Hydrolysis and Properties of Galactan and Cellulose. For Candidate Technical Sciences, Moscow Textile Institute, Moscow, 1953.(1156)

Ye. G. Voronova -- Application of Dilatometry to the Study of Polymorphism in Fats and for the Appraisal of Their Properties in Industrial Production. For Candidate Technical Sciences, Moscow Chemicotechnological Institute, Moscow, 1953.(1172)

B. Prayer -- Investigation of the Effect of Composition of Compound Catalysts on the Activity and Specificity of Their Action in the Hydrogenation of Sunflower Oil. For Candidate Technical Sciences, Kharkov Polytechnical Institute, Kharkov, 1953.(1173)

V. S. Filimonova -- Investigation of the Process of Dyeing Fur With Copper Salts. For Candidate Technical Sciences, Moscow Technological Institute of Light Industry, Moscow, 1953.(1209)

N. D. Valdarov -- Materials for Artificial Leather Containing Hydrophilic Groups. For Candidate Technical Sciences, Moscow Technological Institute of Light Industry, Moscow, 1953.(1210)

A. V. Ryubchenkov -- Investigation of the Phenomenon of Corrosion Fatigue in Steels and Ways of Preventing It. For Doctor Chemical Sciences, Institute of Physical Chemistry, Academy of Sciences, USSR, Moscow, 1953.(1253)

V. A. Kolokol'tsev -- Investigation of the Operation of the Steam Section of Evaporators of the ISV Type and Measures for Improving the Quality of the Distillate. For Candidate Technical Sciences, Moscow Energetics Institute, Moscow, 1953.(1273)

50X1-HUM

- 4 -

CONFIDENTIAL